SPECIFICATION SHEET

MOTOROLA

GP688

One Radio. Endless Possibilities.

KEY FEATURES

Signalling
- Fully compliant to MPT1327
- Includes MPT1343, RegioNet 43 and ANN dialling plan

Adaptable and versatile
- Compact model for greater portability
- Wideband and programmable channel spacing
- Easily programmed in the field to support additional features

Easy to use and set-up
- One touch dialling
- Programmable buttons for easy access to frequently used features
- Ruggedised design and compelling user interface
- Simple menus and alpha-numeric phonebook

Quality
- MIL Spec 810 compliant
- Meets IP54 environmental standards
- Passed Motorola Accelerated Life Test
- X-Pand™ voice compression technology

Efficiency
- Missed call alerts
- Dynamic regrouping
- Talk Group Select mode

Included as standard
- Battery
- Antenna
- Belt clip
- Accessory dust cover
- User manual

Accessory options

A wide range of accessory options are available to customise your radio
- Audio accessories
- Batteries and chargers
- Carry options

For full details of available accessories, please contact your local dealer or distributor

The compact GP688, one of the market-leading radios in Motorola's Professional Series, is an effective feature-packed communication solution for any organisation on MPT networks. The intuitive menu with full keypad and display, together with one touch dialling and easy telephone interconnect, keeps users in touch to increase productivity.

Wide a wide range of accessories available within the Professional Series; it's easy to build a tailored communications solution to meet your needs.

SPECIFICATIONS

GENERAL SPECIFICATIONS		
Power Supply	Rechargeable battery 7.5v	
Dimensions: H x W x D (mm)	Height excluding knobs	
With Standard Li-Ion battery	101.5 x 55.5 x 33.0	
With High capacity Li-Ion battery	101.5 x 55.5 x 38.0	
Weight: (gm)		
With Standard Li-Ion battery	265	
With High capacity Li-Ion battery	285	
Average battery Life @5/5/90 Cycle:	**Low Power**	**High Power**
With Standard Li-Ion battery	>9 hours	>7 hours
With High capacity Li-Ion battery	>13 hours	>10 hours
Sealing:	Withstands rain testing per MIL STD 810 C/D/E and IP54	
Shock and Vibration:	Protection provided via impact resistant housing exceeding MIL STD 810-C/D/E and TIA/EIA 603	
Dust and Humidity:	Protection provided via environment resistant housing exceeding MIL STD 810 C/D/E and TIA/EIA 603	
Operating temperature:	-20°C to +55°C	

TRANSMITTER	
***Frequencies - Full Bandsplit**	UHF 1: 403-470 MHz
Channel Spacing	12.5/20/25 kHz
Frequency Stability (-25°C to +55°C, + 25°C Ref.)	0.00025%
Power	Low: 1W High: 4W
FM Hum & Noise	-40 dB typical
Spurs/Harmonics	-36 dBm <1 GHz -30 dBm >1 GHz
Audio Response (300-3000Hz)	+1 to -3 dB
Audio Distortion	<5% typical

RECIEVER	
***Frequencies - Full Bandsplit**	UHF 1: 403-470 MHz
Channel Spacing	12.5/20/25 kHz
Sensitivity (12 dB SINAD) EIA	0.35 µV typical
Intermodulation EIA	-65 dB
Adjacent Channel Selectivity	60 dB @ 12.5 kHz 70 Db @ 25 kHz
Spurious Rejection	-70dB
Rated Audio	0.5W
Image Rejections	-70dB

PORTABLE MILITARY STANDARDS 810 C, D & E

	810C		810D		810E	
Applicable MIL-STD	**Methods**	**Procedures**	**Methods**	**Procedures**	**Methods**	**Procedures**
Low Pressure	500.1	1	500.2	2	500.3	2
High Temperature	501.1	1,2	501.2	1,2	501.3	1,2
Low Temperature	502.1	1	502.2	1,2	502.3	1,2
Temp. Shock	503.1	1	503.2	1	503.3	1
Solar Radiation	505.1	1	505.2	1	505.3	1
Rain	506.1	1,2	506.2	1,2	506.3	1,2
Humidity	507.1	2	507.2	2,36	507.3	2,3
Salt Fog	509.1	1	509.2	1	509.3	1
Dust	510.1	1	510.2	1	510.3	1
Vibration	514.2	8,10	514.3	1	514.4	1
Shock	516.2	1,2,5	516.3	1,4	516.4	1,4

Data for +25°C unless otherwise specified

*Availability subject to individual country's law and regulations.
Specifications are subject to change without notice and are issued for guidance only.
Radios meet applicable regulatory requirements.
Conforms to RTTE Directives: 1999/5/EC
Relevant standards: EN300 086-2, EN300 113-2, EN301 489-05
Contact your local Motorola Authorised Dealer to find out more about how communicating with the Professional Radio series will benefit your organisation.

MOTOROLA

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